

Bulletin

FACULTY OF COMPUTING

(Formerly known as Faculty of Computer Systems & Software Engineering)

Highlights

MOU Signing with Pikoje Sdn. Bhd., Pakar@Work Sdn. Bhd., Aito Firework Holding Sdn. Bhd. and Cynerve Sdn. Bhd

ICSECS 2019: “IR 4.0 Eyeing the Future” successfully organized

70 participations, 6 Categories & 6 special awards bestow in **iCE-CInno 2019**

233 students from 35 Primary Schools around Kuantan participate in 2-Modules **EV3 Lego Robotic Workshop**

441 New Undergraduate Students – Welcome Onboard!



STAFF ACTIVITIES

INDUSTRIAL REVOLUTION 4.0 (IR4.0) ENRICHMENT PROGRAM AT SMK GUDANG RASAU (SEGRA)

WRITTEN BY NOR AZHAR BIN AHMAD

One of the IR4.0 hype element is the internet of things (IoT). This element always has a good spotlight in mass media nowadays as one of the futures needed job. This emerging technology will take over most of the human activities, especially in the manufacturing industry. Realizing the importance of early exposure to the youngster, SEGRA had invited **Mr Nor Azhar Ahmad** from Faculty of Computing, Universiti Malaysia Pahang for in house training. This one-day program touched a knowledge on microcontroller understanding, which plays a big part in IoT product or innovation.



This program starts with the evaluation of SEGRA innovation product, previously grabbed the Silver Medal Award in iCE-CInno 2019 at UMP, last September. They compete for an e-Health innovation using the Arduino microcontroller board and several health-related sensors. SEGRA Innovation Advisor, Mdm Che Siti Asmah Norsusilawati Che Ahmad said, most of school teacher lack of IoT knowledge. This contributes to the misunderstanding of similar innovation. Besides, Reka Bentuk dan Teknologi (RBT) teacher, Mdm. Iylia Ahmad quote, most of Kuantan district secondary school, had opted to adopt Arduino microcontroller as RBT learning aid, due to low cost and easy to learn. However, this learning aid stuck as a standalone product. Most teachers tend to use them as an introduction to the microcontroller without focusing on IR4.0 initiatives.

The program continued with brainstorming and discussion on how to enhance SEGRA innovation with artificial intelligence and mobile application technology. In the beginning, the device only capable of reading from